

Title (en)

Diene rubber composition and tire using it in tread.

Title (de)

Dienkautschukmischung und Reifen mit einer Lauffläche auf Basis dieser Mischung.

Title (fr)

Composition de caoutchouc de diène et pneumatique comportant une bande de roulement basée sur cette composition.

Publication

**EP 0102045 B2 19950104 (EN)**

Application

**EP 83108234 A 19830820**

Priority

JP 14645982 A 19820823

Abstract (en)

[origin: EP0102045A1] A diene rubber composition comprising as a main rubber component an elastomeric polymer having a glass transition temperature of not less than -50°C. selected from the group consisting of a butadiene homopolymer and a copolymer of butadiene and an aromatic vinyl compound, said elastomeric polymer being one prepared by a solution polymerization method and not less than 40% by weight to less than 65% by weight of the polymer chains thereof being branched polymer chains formed by coupling the polymer molecules with each other with a trifunctional or tetrafunctional coupling agent. The composition has excellent rolling resistance characteristic, wet grip characteristic, processability, tear strength and tackiness, and is suitable particularly for use in the tread portion of tires.

IPC 1-7

**C08L 9/00**; **B60C 1/00**; **C08C 19/44**

IPC 8 full level

**C08L 7/00** (2006.01); **B60C 1/00** (2006.01); **B60C 11/00** (2006.01); **C08C 19/44** (2006.01); **C08L 9/00** (2006.01); **C08L 21/00** (2006.01)

CPC (source: EP US)

**B60C 1/0016** (2013.01 - EP US); **C08C 19/44** (2013.01 - EP US); **C08L 9/00** (2013.01 - EP US); **Y02T 10/86** (2013.01 - EP US)

Cited by

EP0186985A1; EP0182912A4; US4737535A; EP0447066A1; US5409969A; US5496883A; EP0218876A1; WO2011157742A1; DE102007060859A1; EP2495266A1; WO2012119918A1; EP2537872A1; WO2012175678A1; EP2495267A1; WO2012119917A1; EP2537871A1; WO2012175680A1; US8927645B2

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